

ABSTRACT OF THE DISCLOSURE

An electric power meter is disclosed. The meter comprises means for digitally sampling voltage and current. The meter further comprises means for storing the digitally sampled voltage and current. The meter further comprises means for performing power calculations upon the digitally sampled voltage and current, and converting the calculations and the digitally sampled voltage and current into at least one network protocol. The meter further comprises means for interfacing with an external network. A system for modifying the functionality of the electric power meter is also disclosed.